

Title (en)

METHOD FOR DETERMINING THE FLOW RATE OF FLUIDS USING THE ULTRASONIC TRANSIT-TIME METHOD

Title (de)

VERFAHREN ZUR ERMITTLUNG DES DURCHFLUSSES VON FLUIDEN NACH DEM ULTRASCHALLLAUFZEITVERFAHREN

Title (fr)

PROCÉDÉ DE DÉTERMINATION DU DÉBIT DE FLUIDES PAR LA MÉTHODE DE LA MESURE DU TEMPS DE PROPAGATION D'ULTRASONS

Publication

**EP 2724123 A1 20140430 (DE)**

Application

**EP 12730455 A 20120619**

Priority

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- EP 2012061703 W 20120619

Abstract (en)

[origin: WO2012175493A1] In a method for determining the flow rate of fluids using the ultrasonic transit-time method, the flow speed and therefore the flow rate of the fluid is determined from the transit-time of ultrasound signals through the measurement section. In order to take into account the change in the transmission function of the ultrasound converter, which acts as a drift of the measurement variable, the transmission function of the measurement section is defined at least approximately and at least one ultrasonic transit-time is corrected by means of a correction value defined from the group transit-time of the transmission function.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2012175493A1

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